1. ZHELNIN, V.

2. USSR(600)

4. Silkworms

7. Resistance to cold of the wintering cocoon of the Chinese oak silkworm (Antheraea pernyi Guer.) Zool. zhur. 31, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

ZHELNIN, V.A.

Ecology of the ringdove in Estonia.   Ornitologiia   no.2:135-137
'59.
               (Estonia--Pigeons)   (MIRA 14:7)

ZHELNIN, V.A.

Common curlew in the cultivated areas of southern Estonia. Ornitologiia
no.4:303-304 '62.

(Estonia—Curlews)

(MIRA 16:4)

ZHELNIN, V.A.

Flights of bean goose and whooper swan in Estonia. Ornitologiia
no.5:333-336 '62.
(MIRA 16:2)
(Estonia—Geese)   (Estonia—Swans)
(Estonia—Birds—Migration)

1. ZHELNIN, V. A.

2. USSR (600)

4. Metaxenia

7. Problem of the phenomenon of metaxenia in chickens. Pittsevodstvo no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ZHELNIN, V.A.

Fall migration of cranes as an indication for winter crop sowing
in Estonia. Ornitologiia no.7:341-345 '65.

(MIRA 18:10)

LARIONOV, V.F.; ZHELNIN, V.A.

Relation between the abortive (fall) sex cycle of some birds and
the conditions of davlight. Ornitologila no.7:475-476 '65.

(MIRA 18:10)

L 03773-67 EWT(1)/EWP(m) GW

ACC NR: AP6028334 SOURCE CODE: UR/0293/66/004/004/0552/0557

AUTHOR: Shilov, A. A.; Zhelnin, Yu. N.

ORG: none

TITLE: Minimization of the ultimate deceleration of a vehicle in an atmosphere

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 4, 1966, 552-557

TOPIC TAGS: atmospheric entry, lifting force, optimal control, spacecraft deceleration, maximum principle, structure, aerodynamic lift

ABSTRACT: The problem of selecting the vertical component of the aerodynamic lifting force which minimizes the allowable deceleration of the space vehicle during atmospheric planetary entry is analyzed. The equations of motion of the vehicle in the atmosphere are written to include the condition that the drag coefficient C_x = const and an expression is established for the axial deceleration component n_x as a function of the aerodynamic lifting parameter $\bar{K}(x)$. For given flight parameters at the initial and terminal points, the function $\bar{K}(x)$, with constraints of the form

$$\bar{K}_{min} \leqslant \bar{K}(x) \leqslant \bar{K}_{max}, \qquad (1)$$

Card 1/2 UDC: 62-592;629.13(203)

L 03778-67

ACC NR: AP6028334   0

is sought which minimizes the value of n_x at the terminal point. The
Pontryagin maximum principle is applied to the solution of this optimum
control problem. The minimization problem of the allowable decelera-
tion is reduced to the minimization of a certain auxiliary function.
A general qualitative analysis of optimal control structure is pre-
sented. A more detailed analysis of the optimal control structure is
carried out for certain particular boundary conditions. Orig. art.
has: 3 figures and 20 formulas.   [LK]

SUB CODE: 01/ SUBM DATE: 12May65/ ORIG REF: 005/ OTH REF: 001
ATD PRESS: 5064

Card 2/2

SOKOL'SKAYA, A.M., kand. khim. nauk; ZHELNINA, A.A.; DANILOVA, K.

Hydrogenation of the α-form of N-allyl-2,5-dimethyl-4 hydroxy-piperidine. Vest.AN Kazakh.SSR 18 no.5:61-66 My '62.

(MIRA 17:10)

SOKOL'SKAYA, A.M.; ZHELNINA, A.A.; DANILOVA, K.F.

Hydrogenation of the β -form of N-allyl-2,5-dimethyl-4 oxy-
piperidine. Vest. AN Kazakh. SSR 20 no.1:59-63 Ja '64.
                                    (MIRA 17:3)

SOKOL'SKAYA, A.M.; ZHELNINA, A.A.; SOKOL'SKIY, D.V.

Hydrogenation of cinnamyl alcohol. Report No.2. Trudy Inst.
khim.nauk AN Kazakh.SSR 7:54-56 '61.   (MIRA 15:8)
     (Cinnamyl alcohol)   (Hydrogenation)

KROKHINA, A.I.; SPIVAK, G.V.; RESHETNIKOV, A.M.; ZHELNINSKAYA, R.I.

Electron-microscopic study of the structure of ceramic materials
revealed by ionic etching. Izv. AN SSSR. Ser. fiz. 27 no.9:
1224-1227 S '63.   (MIRA 16:9)
        (Electron microscopy) (Ceramic materials--Testing)

ZHEL'NIO, T. M.
    VOLODARS'KA, D.M.; GOROKHOVS'KYY, M.B.; KONDRAT'YEV, S.F.; PRAKHOV, M.M.;
    KOVPANENKO, T.M.; SUKHENKO, Ye.K.; LYASHEVS'KA, V.F.; ZHEL'NIO, T.M.;
    KHIVRICH, G.K.; GEORGIYEVSKYY, M.I.; MAYVEL'T, E.M.; DENISENKO, L.,
    veduchiy redaktor; PATSALYUK, P., tekhnichniy redaktor

    [Hints for everyday living] Pobutovi porady; Vyd. 3-ie, vypr. i
    dop. Kyiv, Dersh. vyd-vo tekhn.lit-ry URSR, 1957. 184 p.
        (Home economics)   (MIRA 10:8)

ACC NR: AP6013261   SOURCE CODE: UR/0413/66/000/008/0050/0050

INVENTOR: Krikorov, V. S.; Blinov, G. A.; Zhelninskiy, V. D.; Kokin, V. K.; Markaryants, E. A.

ORG: none

TITLE: Method of preparing dielectric films. Class 21, No. 180701

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 50

TOPIC TAGS: dielectric material, silicon dioxide, lanthanum, vaporization, vacuum chamber

ABSTRACT: An Author Certificate has been issued for a powder spray method of preparing dielectric films on a silicon dioxide base in a vacuum chamber. To decrease the temperature of vaporization of silicon dioxide without damaging any properties of the dielectric film, a mixture of silicon dioxide and lanthanum, taken in equipolar quantities, is used. [Translation]   [NT]

SUB CODE: 11,13/SUBM DATE: 04May65/

Card 1/1   UDC: 621.319.4.002.2

ACC NR: AR6029300   SOURCE CODE: UR/0271/66/000/006/B046/B046

AUTHOR: Yesipenko, V. D.; Savis'ko, P. A.; Gul'ko, I. F.; Zhelnitskiy, A. I.

TITLE: Some results of experiments with electroluminescent data display systems

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 6B348

REF SOURCE: Sb. Fiz.-tekhnol. vopr. kibernet. Seminar. Vyp. 1. Kiyev, 1965, 55-75

TOPIC TAGS: electric device, data readout, real time data display

ABSTRACT: The merits of this type of data display are noted. Parametrons are used in the control circuit of the data display unit. On the basis of the experimental re-sults obtained the following conclusions are made: 1) such a display unit can operate successfully at an excitation frequency up to 10 kc, 2) an increase in the frequency makes it possible to reduce the electric field strength in order to obtain the same brightness, 3) with an increase in the frequency the brightness sensitivity to supply voltage also increases, 4) a sharp decrease in brightness in the initial periods of operation requires a preliminary conditioning of the display units, and 5) under con-ditions of constant brightness the operation of the display units is considered optimum. [Translation of abstract] 10 illustrations and bibliography of 9 titles.
A. F.

SUB CODE: 09

Card 1/1   UDC: 681.142.623

89212

S/056/61/040/001/018/037
B102/B204

26.2340

AUTHOR: Zhelnov, B. L.

TITLE: Emission into vacuum of Cherenkov radiation produced on
            longitudinal waves in a medium

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,
            no. 1, 1961, 170-177

TEXT: If fast charged particles move in a medium with spatial dispersion,
longitudinal waves (plasmons) are produced; the discreet particle energy
losses occur in the form of Cherenkov radiation of longitudinal waves. The
emission of this radiation into a vacuum is of interest, because it has a
very narrow spectrum near the plasma frequency $\omega_0^2 = 4\pi n e^2/m$ (n,e,m, -
density, charge and mass of electrons in the medium), and may be used both
for the production of radio waves in the plasma and for the production of
infrared and ultraviolet rays in the dielectric. Whereas the Cherenkov
radiation on transverse waves actually occurs at relativistic particle
velocities, it occurs in longitudinal waves at much lower velocities (it is
only necessary that the particle velocity exceed the mean velocity of

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S/056/61/040/001/018/037
B102/B204

Emission into vacuum of Cherenkov...

thermal electrons). The problem of studying this Cherenkov radiation, which the author has set himself, must take the following peculiarities into account: First, a transition radiation occurs during passage through the boundary of the medium, which cannot be distinguished from Cherenkov radiation at larger distances, and, secondly, taking account of spatial dispersion necessitates setting up an additional boundary condition because of the appearance of a new solution of the Maxwell equations. As to this additional boundary condition, certain assumptions must be made in order to be able to formulate mathematically the radiation field occurring in the transition of a medium into the vacuum. With respect to the transition radiation, G. M. Garibyan was able to show that its effect is of importance only for ultrarelativistic velocities. To set up the boundary conditions, the following assumptions must be made: the electron moves perpendicularly toward the boundary, its energy losses (due to radiation production) are negligibly small compared to its kinetic energy and the effect of the spatial dispersion is assumed to be characterized by $\vec{D} = (\epsilon + \delta\Delta)\vec{E}$, $\epsilon = \epsilon_0 + i\gamma$, where δ is the parameter characterizing spatial dispersion, Δ - the Laplace operator. The field of the moving electron is considered to be the sum of a longitudinal (φ) and a transverse ($\vec{A}$) field, with div $\vec{A} = 0$.

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Emission into vacuum of Cherenkov...   S/056/61/040/001/018/037
                                                        B102/B204

The problem is solved in the manner as indicated by V. L. Ginzburg and
I. M. Frank, according to Garibyan. For the radial component of the radia-
tion field one attains, in the same manner as is the case with Garibyan,

$$E_s'(R, \theta, t) = \frac{e}{vn\sqrt{2\pi R \sin\theta}} e^{-i\pi/4} \int_{-\infty}^{\infty} I(\omega) e^{-i\omega t} d\omega, \qquad (7)$$

$$I(\omega) = \int_0^{\infty} F(\varkappa) e^{i(\varkappa)R} d\varkappa, \qquad (8)$$

введены обозначения

$$F(\varkappa) = \varkappa^{1/2}\lambda_0 \eta(\varkappa)/\zeta(\varkappa), \qquad I(\varkappa) = i\varkappa \sin\theta + i\lambda_s \cos\theta,$$

$$\eta(\varkappa) = \beta \frac{\omega}{c} \frac{(\varepsilon - i - \delta k^2)}{\mu\mu_0}(\varepsilon\lambda_\parallel \lambda + \frac{\delta\omega^2}{c^2} \varepsilon_\perp \varkappa^2) +$$

$$+ \varepsilon_\perp \left(\frac{\varepsilon\lambda_\parallel + \delta k^2 k_s}{\mu(\varepsilon - \delta k^2)} - \frac{\varepsilon\lambda_\parallel}{\mu_0} - \frac{\delta k^2 \omega}{c\mu} \beta \right), \qquad (9)$$

$$\zeta(\varkappa) = \delta\omega^2 c^{-2}\varepsilon_\perp \varkappa^2 + \varepsilon\lambda_\parallel(\lambda + \varepsilon\lambda_0), \qquad \mu = k^2 - \omega^2 c^{-2}(\varepsilon - \delta k^2),$$

$$\mu_0 = k^2 - \omega^2/c^2, \qquad \lambda^2 = \omega^2 c^{-2}\varepsilon_\perp - \varkappa^2, \qquad \lambda_0^2 = \omega^2/c^2 - \varkappa^2,$$

$$\lambda_\parallel^2 = \varepsilon/\delta - \varkappa^2, \qquad \omega = k_s v, \qquad \beta = v/c,$$

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Emission into vacuum of Cherenkov...

S/056/61/040/001/018/037
B102/B204

Where R is the distance from the point of electron emission to the point of observation, θ the angle between R and the z-axis. Besides the pole $\mu(\varkappa) = 0$ studied by Garibyan, the function $F(\varkappa)$ has another pole, determined by $\zeta = \delta(\varkappa^2 + \omega^2/v^2) = 0$, which is studied here. The normal component is calculated in the same manner. For the total radiation in the vacuum one obtains

$$E' = -\frac{e}{v\pi R}\cos\theta\sin\theta \int_{-\infty}^{+\infty} \left(\frac{\omega}{c}\right)^3 \frac{\eta(\varkappa_0)}{\zeta(\varkappa_0)} e^{i\omega(R/c-1)}\,d\omega -$$

$$-\frac{\sqrt{2}e}{v\pi V R}\sin\theta e^{-3\pi i/4} \int_{\omega-\Delta\omega}^{\omega+\Delta\omega} \left(\frac{\omega}{c}\right)^{1/2}\frac{\eta(\varkappa_0)}{\zeta(\varkappa_0)}[\pm(\varkappa_1-\varkappa_0)]\left(e^{-\omega^2}\int_{\omega_1}^{i\infty} e^{u^2}du\right) e^{i\omega(R/c-1)}\,d\omega -$$

$$-\frac{e}{v}\sqrt{\frac{2}{\pi R\sin\theta}}\,e^{-\pi i/4}\int_{\omega_1}^{\omega_2} e^i\frac{\omega^2}{v}\frac{\varkappa_1^{1/2}}{\zeta(\varkappa_1)} e^{i(\varkappa_1)R-i\omega t}\,d\omega. \tag{18}$$

The radiation field of the frequency ω propagates at the angle $\vartheta(\omega)$ in the direction of motion of the electron. For the angle $\sin\vartheta(\omega)=c\omega^{-1}\sqrt{\xi_0/\delta - \omega^2/v^2}$ holds. For a weakly absorbing medium, the angular distribution of this

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Emission into vacuum of Cherenkov...

S/056/61/040/001/018/037
B102/B204

radiation may be determined by the law of reflection and the Cherenkov
condition alone. The main contribution to the transition radiation is
made by Cherenkov radiation on longitudinal waves produced in the medium
near the interface over a distance of the order of a wavelength. At larger
distances from the interface, this part of the Cherenkov radiation, which
occurs as a spherical wave, remains restricted to a narrow frequency range
near ω_0. The author thanks V. L. Pokrovskiy, S. K. Savvinykh, A. P. Kazantsev,
A. M. Dykhne and I. A. Gilinskiy for discussions. A. I. Larkin is
mentioned. There are 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut radiofiziki i elektroniki Sibirskogo otdeleniya
Akademii nauk SSSR (Institute of Radiophysics and Electronics
of the Siberian Department of the Academy of Sciences USSR)

SUBMITTED: June 28, 1960

Card 5/5

L 55091-65

ACCESSION NR: AP5014576

ZIELNOV, B.L.; KAZANTSEV, A.P.; SMIRNOV, V.S.

Stimulated radiation on traveling waves. Fiz. tver. tela 7 no.9:2816-2820 S '65.   (MIRA 18:10)

1. Institut fiziki poluprovodnikov Sibirskogo otdeleniya AN SSSR, Novosibirsk.

L 32633-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k) IJP(c) WG

ACC NR: AP6018808 SOURCE CODE: UR/0056/66/050/005/1291/1295

AUTHOR: Zhelnov, B. L.; Kazantsev, A. P.; Smirnov, V. S.

ORG: Institute of Physics of Semiconductors, Siberian Department, Academy of Sciences SSSR (Institut fiziki puluprovodnikov Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Wave interaction in a gas laser

SOURCE: Zh eksper i teor fiz, v. 50, no. 5, 1966, 1291-1295

TOPIC TAGS: gas laser, laser beam, laser propagation, traveling wave interaction, frequency locking

ABSTRACT: The authors consider the interaction between waves traveling in opposite directions in a gas laser with a ring resonator, brought about either by the non-linearity of the medium or by the coupling between waves as they are reflected from the mirrors. A phenomenological formula describing the latter coupling is derived and is introduced into the equations of motion for the wave amplitudes and the phases in a rotating coordinate system. The solution of these equations is used to describe frequency locking effects and suppression of one of the traveling waves. It is shown that under standard gas-laser conditions frequency locking takes place within a band of several hundred cps if the coupling coefficient between the reflected waves is of the order of 10^{-5}. The degree of suppression of one of the waves increases mono-tonically but not uniformly with the relative detuning. The authors thank Yu. V. Troitskiy for a useful discussion. Orig. art. has: 2 figures and 24 formulas. [02]

SUB CODE: 20/ SUBM DATE: 04Nov65/ ORIG REF: 005/ OTH REF: 003/ ATD PRESS: 5025

Card 1/1

ZHELNOV, M. V.

Dissertation defended for the degree of Candidate of Philosophical Sciences
at the Institute of Philosophy

"Criticism of the Neothomist Falsification of Modern and Natural Science."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

L 27965-66   EWA(h)/EWT(1)

ACC NR: AP6005297   (A)   SOURCE CODE: UR/0413/66/000/001/0037/0037

INVENTOR: Korostyshevskiy, Ye. A.; Zhelnov, P. A.

ORG: none

TITLE: A filter for high-frequency bypass of supply feeders in electric transmission networks. Class 21, No. 177466

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 37

TOPIC TAGS: electric power transmission, electric filter, filter circuit

ABSTRACT: This Author's Certificate introduces a filter for high-frequency bypass of supply feeders in electric transmission networks, particularly in the contact net- works of electric transportation systems. The unit contains distributed inductances for sections of the network and lumped capacitances tuned to the high-frequency sig- nal. In order to reduce the effect of changes in the load on the supply feeder, sup- press interference and simplify the entire installation, the filter is made in the form of a four-terminal electric bridge with arms which are sections of the contact network on both sides of the point where the supply feeder is connected together with the tuned capacitors. The capacitors are connected between the ends of the network section with zero potential. A bypass capacitor is connected in one diagonal of the bridge between the feeder connection point and the zero potential, and a bypass wire

UDC: 621.315.052.66
      621.372.543.3

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L 27985-66

ACC NR: AP6005297

to substation
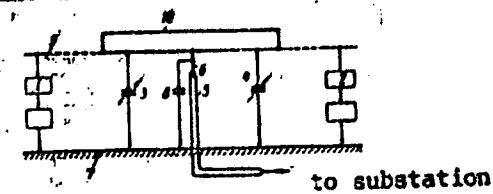
1 and 2--connecting filters; 3 and 4--
tuning capacitors; 5--feeder cable; 6--
power wire of the feeder cable; 7--zero
potential point; 8--bypass capacitor;
9--contact wire; 10--bypass wire.

twice as long as the sections of the network in one of the arms of the bridge is con-
nected in the other diagonal.

SUB CODE: 09/   SUBM DATE: 29Dec64

Card 2/2

ZHELNOV, P.A., inzh.; KOROSTYSHEVSKIY, Ye.A., inzh.

Analysis and calculation of high-frequency channels using power
supply cable networks in mines. Izv. vys. uchab. zav.; gor. zhur.
7 no.11:174-183 '64.   (MIRA 18:3)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR. Rekomen-
dovana laboratoriyey gornoy avtomatiki i telemekhaniki.

ZHELNOV, P.A.

Reducing the problem of computing circuits with multiple terminal output to a form convenient for computation with electric digital computers. Fiz.-tekh. probl. razrab. pol. iskop. no.1:60-66 '65.
(MIRA 18:10)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk.

ZHELNOV, V. (UA4FB)

Single side-band phase driver operating on 14 and 21 mc. Radio no.5:
17-21 My '60.   (MIRA 13:12)
            Radio, Shortwave—Equipment and supplies)

USSR/Miscellaneous

Card 1/1   Pub. 84 - 13/30

Authors   : Zhelnov, V., DOSAAF champion for 1955

Title   :

Periodical : Radio 1, 24 - 25, Jan 56

Abstract   : A criticism is presented of amateur radio receiving and transmitting
              sets . . .

Institution : .....

Submitted   : .....

S/107/60/000/05/018/047
D047/D006

6(4)
9(2)

AUTHOR: Zhelnov, V. (UA4FE) (Penza)

TITLE: An SSB Phase Exciter for Operation on 14 and 21 Mc

PERIODICAL: Radio, 1960, Nr 5, pp 17-21 (USSR)

ABSTRACT: The exciter is designed for operation on one side band
with a suppressed carrier on 14 and 21 Mc. The single-
band signal is formed according to the phase-compens-
ation method described in an article by A. Semenov and
V. Verzunov in "Radio", 1958, Nr 6. Fig. 1 is a block
diagram of the device. The l-f amplifier comprises a
6N2P double triode, the quartz generator - a 6Zh3P tube,
the balance modulators - 6N1P tubes, the third balance
modulator - 6A2P tubes, the terminating stage - a G-807
tube, the master oscillator - a 6Zh1P tube, the buffer
stage - a 6Zh5P tube. BLP resistors and KSOG capacitors
are also used. RK-50 coaxial cable connects the exciter

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S/107/60/000/05/018/047
D047/D006

An SSB Phase Exciter for Operation on 14 and 21 Mc

with the terminating stage of the transmitter. An SG1P
stabilitron is used to stabilize the screen and anode volt-
age. The use of an additional 1-f amplifier and relay to
perform automatically certain functions when transmission
begins is described by S. Bunimovich in "Radio", 1959,
Nr 12. The exciter described has been in use at station
UA4FE since Dec 1959. A GK-71 pentode is used in the
power stage of the transmitter and the antenna is a
Nadenenko dipole. A note from the editors at the end of
the article mentions some drawbacks of the converter.
There is 1 photograph, 1 block diagram, 1 circuit diagram,
2 diagrams, 1 set of diagrams and 1 table.

Card 2/2

ZHELNOV, V., master radiolyubitel'skogo sporta.

Meetings on the air waves. Radio no.9:20 S '56.   (MLRA 9:11).
(Radio, Shortwave)

ZHELNOV, V.G.; VERSHININ, V.V.; RUBLEV, B.V.; DEGTYAREV, N.P.

Oscillography of millimicrosecond pulses. Izm. tekh. no. 1:50-
51 Ja '61.   (MIRA 14:1)

(Oscillograph)

06188

SOV/115-59-11-16/36

9 (2)

AUTHOR: Zhelnov, V.G.

TITLE: Checking Capacitance Measures by Means of an Electro-
               nic Digital Instrument

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, pp 40-43

ABSTRACT: Frequently a percentage sorting of a large number of
               capacitors of different ratings is required with a
               high degree of accuracy - 0.2% and higher. The exi-
               sting industrial capacitance measuring instruments,
               either do not provide such an accuracy, or they requi-
               re a considerable amount of time for performing the
               measurements, which is contradictory to the require-
               ments of mass checking. The author describes a device
               for percentage sorting of 0.013, 0.05, 0.1, 0.2 and
               0.4 microfarad capacitors. If necessary, these values
               can be easily replaced by other ones. The sorting
               accuracy is ± 0.1%. The device works according to the
               beat method, which is widely used for measuring non-
Card 1/5   electrical values in circuits with capacitance trans-

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Checking Capacitance Measures by Means of an Electronic Digital
Instrument

ducers and in some capacitance measuring instruments,
for example, in the IIYeV-1. Two generators are used in
the device described by the author. The frequency f_0 of
one of them remains unchanged. The frequency of the o-
ther generator may deviate from f_0 by some value Δf
which is determined by the deviation of the capacitance
to be measured C_x from its rating C_3. Since the maximum
value of the frequency to be measured is large (0.4 mi-
crofarads), the frequency f_0 was selected to be low -
2 kc. Generators with a Wien bridge were used. The vol-
tage from the generators is fed to a mixer, at whose
output a beat with the frequency Δf is obtained. With
a constant carrier frequency f_0, the value Δf will de-
termine simultaneously the value dC. Since at small
dC, a beat frequency of a fraction of a cycle is ob-
tained, needle frequency meters may not be used. There-
fore Δf is determined in the author's device by coun-
Card 2/5   ting the pulses within a fixed time interval T_1. An e-

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Checking Capacitance Measures by Means of an Electronic Digital
Instrument

lectric PV-52 seconds counter is used as a pulse coun-
ter, having a capacity of 10^3 pulses. This counter is
connected by a time relay to the frequency difference
amplifier for the time T_1. Since its mechanism works
twice during each beat cycle, it will record during
each time interval T_1 n = $2T_1 \Delta f$ pulses, or
n = $T_1 f_0 \delta C$.
The time T_1 was taken to be 5 seconds, therefore n=
$5 \cdot 2000 \delta C=10000 C=100 \delta C\%$. Consequently, when δC is
equal to 1%, the device will record 100 pulses, at
$\delta C=0.1\%$ - accordingly 10 pulses, etc. The needle of
accurate reading of the PV-52 will complete in the
first case a full rotation, ie. it will show 100 gra-
duation marks, in the second case 10 graduation marks,
etc. The PV-52 is very convenient and no changes of
its dial are required. The author presents a simplified
Card 3/5   block diagram of the device. The generator circuits

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Checking Capacitance Measures by Means of an Electronic Digital
Instrument

are identical and are composed of 6N2P tubes, which
form two-stage amplifiers with feedback thru cathode
followers (tubes 6N15P), matching the high-ohm ampli-
fier outputs with the low-ohm positive and negative
feedback circuits. The use of cathode followers is im-
portant for increasing the frequency stability of the
generators and an amplification factor 5000 may be ob-
tained for the amplifier. The generator anode circuits
are fed from an electronic voltage stabilizer. A barr-
eter is used in the filament circuit. After a one-hour
warm-up the frequency of the generators will fluctua-
te only insignificantly by a fraction of a cycle per
hour. For stabilizing the generator amplitudes, TP6/2
thermistors are used. The balanced modulator is com-
posed of 6A2P tubes. The beat voltage passes from the
modulator output thru an RC-filter to the input of
symmetrical amplifier with a 6N2P tube. The next sta-
Card 4/5   ge is a class C power amplifier with 6P14P tubes.

05188

SOV/115-59-11-16/36

Checking Capacitance Measures by Means of an Electronic Digital Instrument

There are two time relays with identical circuits composed of tubes 6N1P and 6N2P. The tubes work in so-called "Schmidt trigger circuits". The author analysis different error sources in the device. The error analysis and a careful experimental study show that the device may be used for sorting capacitors according to a given rating, provided highly stable capacitors are used in the comparison arm of the Wien bridge. The instability of other elements of the Wien bridge does not play an essential role. The working accuracy of the device is $\pm$ 0.1%. Engineer Yu.L. Sokolov participated in the experimental investigation of the device and in its construction and tuning. There is 1 block diagram.

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SOV/115-59-2-26/38

8(2)

AUTHOR: Zhelnov, V.G.

TITLE: An Improved Low Frequency Range Filter Circuit (Usover-
              shenstvovaniye diapazonnogo nizkochastotnogo fil'tra)

PERIODICAL: Izmeritel'naya tekhnika, 1959,   Nr 2, p 49 (USSR)

ABSTRACT: The circuit, described by the author is an improved
              version of that described by him in Izmeritel'naya
              tekhnika, 1956, Nr 4, and enables the given frequency
              range to be overlapped by half as many sub-ranges. There
              are 2 circuit diagrams and 1 Soviet reference.

Card 1/1

ZHELNOV, V.G.

Improving low-frequency band filters. Izm. tekh. 20 no.2:49
F '59.   (MIRA 12:3)
          (Radio filters)

ZHELNOV, V.G.

Band selector filters for electronic measuring instruments. Izm.
tekh. no.4:41-42 Jl-Ag '56.   (MLRA 9:

(Electronic measurements)

LARINA, Mariya Nikolayevna; TRUBNIK, Nikolay Vasil'yevich; ZHELHOV,
Veniamin Petrovich; GOLOVANOV, I.I., retsenzent; PESKOVA, L.N.,
red.; VERINA, G.P., tekhn. red.

[Production and financial plan and business accounting of a
power supply section] Proizvodstvenno-finansovyi plan i kho-
ziaistvennyi raschet uchastka energosnabzheniia. Moskva, Vses.
izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961.
106 p.   (MIRA 15:1)
            (Railroad—Electrification—Finance)

Kovshova, Ye, A., Lipatnikova, A. V., and Zhelnova, O. G. "On the sanitary conditions
of the barbershops of the city of Ufa", Voprosy dermato-venerologii,
Vol. IV, 1948, p. 13-15.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

ZHELNOVA, G. G.

Zhelnova, G. G. "Morphological changes in the argentophilic basic matter in leprosy,"
            Voprosy dermato-venerologii, Vol. IV, 1948, p. 332-35.

SO: U-3736, 21 May53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

15-57-3-3384

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, p 134 (USSR)

AUTHORS: Zhelnova, L. N., Rybalko, V. G.

TITLE: The Advantages of a Rapid Method for Determining Porosity of Ceramic Ware (Preimushchestva uskorennogo metoda opredeleniya poristosti keramicheskikh izdeliy)

ABSTRACT: A rapid method of determining the porosity of ceramic ware is proposed. After preliminary drying out the samples are heated for 30 minutes in a muffle furnace at 250°, and then plunged into cold distilled water and left for one hour to be impregnated with water. After the samples are saturated they are removed from the water, dried, and weighed. The precision of the proposed method approaches that for the standard method, but the rapid method takes only 1.5 hours, whereas the standard method takes 28 hours.
                                                                        S. P. Sh.

Card 1/1

ZHELNOVA, V.K.

Use of gibberellin for tomatoes grown in greenhouses. Dokl.
Akad. sel'khoz. nauk no.10:11-14 O '65.

(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i
agropochvovedeniya.

SARATIKOV, A.S.; USOV, L.A.; ZHELNOVICH, L.I.

Role of the reinforcing nerve of the heart in the mechanism of
the cardiotonic action of camphor. Farm. i toks. 27 no.4:439-444
Jl-Ag '64.
(MIRA 17:11)

1. Tomskiy meditsinskiy institut.

ZHELNOVICH, L.I.,   Cand Bio Sci —(diss) "Effect of *жиний* upon

the blood circulation *appatus*." Tomsk, Publishing House of Tomsk

Univ, 1958. 10 pp (Tomsk State Med Inst. Chair of Pharmacology).

(KL, 20-58, 95)

-40-

ZHELOBAYEVA, Antonina Petrovna

[Practical laboratory experiments in fruit culture] Laboratorno-
prakticheskie zaniatiia po plodovodstvu. Moskva, Gos.izd-vo
selkhoz.lit-ry, 1958. 149 p.   (MIRA 13:7)
                (Fruit culture)

KOLMOGOROV, Andrey Nikolayevich; FOMIN, Sergey Vasil'yevich; ZHELOBENKO,
D.P., red.; YERMAKOV, M.S., tekhn.red.

[Elements of the theory of functions and of functional analysis]
Elementy teorii funktsii i funktsional'nogo analiza. Moskva,
Izd-vo Mosk.univ. No.2. [Measure, Lebesgue integral, Hilbert
space] Mera, integral Lebega, gil'bertovo prostranstvo. 1960.
118 p.
     (Functions)   (Functional analysis)
                               (MIRA 13:7)

NAIMARK, Mark Aronovich; ZHELOBENKO, D.P., red.; AKHLAMOV, S.N., tekhn.red.

[Linear representations of the Lorentz group] Lineinye
predstavleniia gruppy Lorentsa. Moskva, Gos. izd-vo fiziko-
matem. lit-ry, 1958. 376 p.   (MIRA 12:2)
                    (Groups, Theory of)

16(1)

AUTHOR: Zhelobenko, D.P.   SOV/20-126-5-5/69

TITLE: Linear Representations of the Lorentz Group

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 126,Nr 5,pp 935-938 (USSR)

ABSTRACT: The author describes all (up to equivalence) representations
               of the Lorentz group with finite rank (i.e. continuous re-
               presentations in Banach spaces with finitely many irreducible
               components). He investigates separately the algebraic
               structure of the representations in the neighborhood of the
               singular point. The paper is based on investigations of Nay-
               mark. Two theorems are given.
               There are 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
               (Moscow State University imeni M.V. Lomonosov)
PRESENTED: January 30,1959, by N.N. Bogolyubov, Academician
SUBMITTED: January 28, 1959

Card 1/1

ZHELOBENKO, D.P.

Harmonic analysis of functions on semisimple Lie groups. Izv. AN SSSR. Ser. mat. 27 no.6:1343-1394 N-D '63.   (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

16(1)

AUTHOR: Zhelobenko,D.P.   SOV/20-126-3-6/69

TITLE: The Structure of the Group Ring of Lorenz's Group

ABSTRACT: In a somewhat changed form (without use of infinite matrices)
            the author gives the same result (an analogue to the theorem of
            Paley-Wiener) which he has already published $\underline{/}$Ref 2$\underline{/}$. Besides
            the theorem is proved with other methods due to I.M.Gel'fand
            $\underline{/}$Ref 5$\underline{/}$. The author mentions N.Ya.Vilenkin.
            There are 5 Soviet references.

ASSOCIATION:Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
            (Moscow State University imeni M.V.Lomonosov)

PRESENTED: January 30, 1959, by N.N.Bogolyubov, Academician.

SUBMITTED: January 28, 1959

Card 1/1

AUTHOR:	Zhelobenko, D.P.	SOV/20-121-4-4/54

TITLE: The Description of a Class of Representations of the Lorenz
            Group (Opisaniye nekotorogo klassa predstavleniy gruppy
            Lorentsa)

ABSTRACT: Since the Lorenz group is not compact and possesses represent-
            ations which cannot be decomposed into irreducible ones, the
            question for the description of all linear representations
            (up to equivalence) of this group arises. In the present
            paper the author gives a partial solution of this problem and
            describes a rather extensive class of representations. The
            main result consists in the statement that each representation
            of this class is decomposed into a discreet direct sum of re-
            presentations, each of which is equivalent to one of the re-
            presentations of a certain canonical model. The paper was
            written under the guidance of Naymark and uses the notations
            of Naymark without explanations, a fact which complicates the
            reading.
            There are 2 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
Card 1/2   (Moscow State University imeni M.V. Lomonosov)

The Description of a Class of Representations of the   SOV/20-121-4-4/54
Lorenz Group

PRESENTED: April 1, 1958, by N.N. Bogolyubov, Academician

SUBMITTED: January 24, 1958

Card 2/2

ZHELOBENKO, D.P.

Solution to a problem of polynomial invariants. Usp. mat. nauk 18
no.6:193-196 '63.

Elementary proof of Gel'fand-Naimark's formula. 197-200.

(MIRA 17:3)

ZHELOBENKO, D.P.

Theory of linear representations of complex and real Lie groups.
Trudy Mosk. mat. ob-va 12:53-98 '63.   (MIRA 16:11)

ZHELOBENKO, D.P.

Classical groups. Spectral analysis of finite-dimensional representations. Usp.mat.nauk 17 no.1:27-120 '62.   (MIRA 15:3)
(Groups, Theory of) (Transformations (Mathematics))

ZHELOBENKO, D. P., Cand. Phys-Math. Sci. (diss) "Harmonic Analysis of Functions for Loretz Group and Some Questions of Theory of Linear Representations." Moscow, 1961, 6 pp (Moscow State Univ.) 200 copies (KL Supp 12-61, 251).

ZHELOBENKO, D.P.

Infinitely differentiable vectors in the theory of representations.
Vest. Mosk. un. Ser. 1: Mat., mekh. 20 no.1:3-10 Ja-F '65. (MIRA 18:4)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

VISHNEVSKAYA, G.O.; GORBUNOVA, A.S.; ZHELOBENKO, V.A.; FIALKOV, Yu.A.;
    SHEVCHENKO, O.I.; YAGUPOL'SKIY, L.M.

    Synthesis of the preparation bilignost. Med. prom. 14 no.9:25-30
    S '60.   (MIRA 13:9)

    1. Kiyevskiy khimiko-farmatsevticheskiy zavod im. M.V. Lomonosova.
                    (ADIPIC ACID)

ZHELOBENKO, V.A.

Improved method for producing 1-n-nitrophenyl-aminoethanol. Med. prom.
15 no.8:34-38 Ag '61.   (MIRA 14:12)

1. Kiyevskiy khimiko-farmatsevticheskiy zavod imeni Lomonosova.
            (ETHYL ALCOHOL)

ZHELOBENKO, V.A.

Over-all mechanization of production at the M.V. Lomonosov plant.
Med.prom. 31 no.12:3-4 D '59.

(DRUG INDUSTRY)   (MIRA 13:4)

KREMNEV, O.A., BOBROVSKIY, B.R., DOLINSKIY, A.A., ZHELOBENKO, V.A.

Spray method for drying streptomycin. Med.prom. 12 no.10:27-33
O '58
                                               (MIRA 11:11)

1. Institut teploenergetiki AN USSR i Kiyevskiy zavod meditsinskikh
preparatov.
         (STREPTOMYCIN--DRYING)

ZHELOBETSKAYA, M.F., starshiy nauchnyy sotrudnik

Use of sulfite cellulose extracts for linen warp sizing. Tekst.
prom. 22 no.8:48-49 Ag '62.   (MIRA 15:8)

1. Laboratoriya l'na (pri l'nokombinate "Zarya sotsializma")
Proyektno-tekhnologicheskogo nauchno-issledovatel'skogo instituta
(PTNII) Yaroslavskogo soveta narodnogo khozyaystva.
                          (Sizing (Textile))

ZHELOBKO, A.B.; GAVRICHKOV, F.S.

Training of specialists in the coal industry. Ugol' 39 no.6:
55 Ja'64.   (MIRA 17:7)

1. Camesti..l' upravlyayushchego trestom Kadiyevugol' po
kadram (for Zhelobko). 2. Nachal'nik uchebno-kursovogo kom-
binata tresta Kadiyevugol' (for Gavrichkov).

87663

18.1210   only 2408

S/137/60/000/010/034/040
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 10, pp. 270-271,
24624

AUTHOR: Zhelobov, I.S.

TITLE: Mechanical Properties of Ak-6 (Ak-6) Grade Duraluminum Alloy
              Specimens Upset Under a Pneumatic Hammer and a Friction Press

PERIODICAL: Tr. Gor'kovsk. politekhn. in-ta, 1959, Vol. 15, No. 2, pp. 39-47

TEXT: The effect of the method of upsetting Ak-6 specimens, on the mechan-
ical properties of the alloy was studied. Cylindrical specimens of 25 mm in dia-
meter and 40 mm height were upset under a pneumatic hammer and under a friction
press to an equal degree of deformation (up to 12.5 height). Prior to upsetting
the specimens were heated to 475°C. Upsetting was made by one pass of the press
and 2 hammer blows. Measurement of R_b of the upset specimens showed that for the
hammer deformed specimens the mean R_b was by 7 - 8 units higher than that of press-
deformed pieces. The factor, causing this difference in hardness, appears to be
the deformation rate. In the initial state the material had a homogeneous struc-

Card 1/2

87663
S/137/60/000/010/034/040
A006/A001

Mechanical Properties of Ak-6 (Ak-6) Grade Duraluminum Alloy Specimens Upset Under a Pneumatic Hammer and a Friction Press

ture with an equal grain size over the whole section; specimens that were upset under a press had a homogeneous shperoidal structure with larger grains than hammer deformed specimens, whose grains showed an elongated shape. Intermetallic inclusions in pressed specimens are arranged more uniformly. During deformation under the press, recrystallization can be fully accomplished, which was not observed during deformation under the hammer. Therefore press forming of Al alloys should be preferably performed under a friction press rather than under a pneumatic hammer.

P.V.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

MALAKHOV, A.A.; ZHELOBOV, P.P.

Methods for the plotting of metallogenetic maps on the basis
of the tectonic scheme of the Urals. Trudy Sver. gor. inst.
no.43:42-50 '63.   (MIRA 18:7)

ZHELOBOV, P.P.; LAVROV, M.A.

Sysert'-Chebarkul' mobile belt in the Urals. Trudy Sver. gor.
Inst. no.43:177-181 '63.   (MIRA 18:7)

MALAKHOV, A.A.; ZHELOBOV, P.P.

Subsurface geology of the Central Urals. Dokl. AN SSSR 146
no.1:179-182 S '62.
(MIRA 15:9)

1. Predstavleno akademikom D.I. Shcherbakovym.
(Ural Mountains—Geology, Structural)

AL'BOV, M.N.; ZHELOBOV, P.P.

Method of prospecting for hidden pyrite deposits in the Urals.
Razved. i okh. nedr 26 no.2:43-44 Feb. '60.   (MIRA 14:6)

1. Sverdlovskiy gornyy institut im. Vakhrusheva.
        (Ural Mountains--Pyrites)

NUQMANOV, A.Kh.; ZHELOBOVA, G.A.

Geochemical conditions governing the formation of Mesozoic and
Cenozoic sediments in eastern Fergana. Uzb.geol.zhur. 8
no.3:12-18 '64.   (MIRA 18:12)

1. Institut geologii i razrabotki neftyanykh i gazovykh
mestorozhdeniy Gosudarstvennogo geologicheskogo komiteta
SSSR. Submitted October 28, 1963.

USSR/Medicine - Neurophysiology   FD-2807

Card 1/1   17, 9/19

Author   : Krol', N. G. and Zhelobova, Z. A.

Title   : Physiological symptoms of the functional condition of the motor
                apparatus in hyperkinesis. Part 2: Muscle tone in athetosis

Periodical   : Byul. eksp. biol. i med. 6, 36-39, June 1955

Abstract   : During lengthy myotonometric investigations of the rigidity of
                muscles of patients with signs of athetosis, authors observed con-
                siderable variations. In studying antagonist muscleᵤ of the upper
                and lower extremities they found that the muscle tone was within
                normal limits in 29% of the cases during maximal prostration, in 18%
                it was below normal and in 53% above normal. Sharp variations in
                muscle tone during athetosis are characteristic. Authors' investiga-
                tions led them to conclude that in patients of athetosis in maximal
                weakened conditions of the muscles there is a disturbance of the re-
                lationship between the indices of tone of the muscle-antagonists as
                well as of the muscles of distal and proximal groups. No references;
                graphs, table.

Institution : Laboratory of Clinical Physiology, Sverdlovsk Scientific Research In-
                stitute of Restorative Surgery, Traumatology, and Orthopedics, (Dir:
                Corresponding Member Academy Medical Sciences USSR Prof. F. R. Bogdanov)

Submitted   : 10 June 1954

Card 1/1   Pub. 17-7/23

Author   : Krol', N. G. and Zhelobova, Z. A.

Title   : Physiological indicators of the functional condition of the motor apparatus during hyperkineses. (Characteristics of subordinate changes of motor chronaxy in athetosis.)

Periodical : Byul. Eksp. biol. i med. 7, 24-27, Jul 1955

Abstract   : Authors believe that changes in the regulating activity of the central nervous system undoubtedly affect irritation and lability of the neuro-muscular system and consequently change its chronaxy (called subordination). They compiled tables from chronaximetric data from patients with athetoses of arm and leg muscles and of the coordination between chronaxy of distal and proximal muscles of the extremities and muscle-antagonists. They conclude that in athetosis the regulating role of the cortical zone of the motor analysor is interrupted, that the complex picture is subject to a mechanism which is not simple to explain; that it is affected by functional changes in the cortical zone of the motor analyzor as well as by the activity of the subcortical region. 5 references, 5 USSR, 5 since 1940, tables.

Institution : Laboratory of Clinical Physiology, Sverdlovsk Scientific-Research Institute of Restorative Surgery, Traumatology, and Orthopedics. (Dir: Corresponding Member Academy of Medical Sciences USSR, Prof F. R. Bogdanov)

Submitted   : 10 June 1954

KROL', N.G.; ZHELOBOVA, Z.A.

Analysis of changes in motor chronaxia in athetosis. Zhur.nevr. i psikh. Supplement:23 '57.   (MIRA 11:1)

1. Laboratoriya klinicheskoy fiziologii Sverdlovskogo nauchno-issledovatel'skogo instituta vosstanovitel'noy khirurgii, travmato-logii i ortopedii (dir. F.R.Bogdanov)
        (CHRONAXIA)   (ATHETOSIS)

MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSEVA, A.M.;
TIKHONOVA, O.Ya.; SKOLDINOV, A.P.; ARENDARUK, A.P.; SMOLIN, D.D.;
GOLOVKINA, T.V.; SLONOVA, L.A.

Styrene as an initial product for synthomycetin and levomycetin
production. Part 2: Synthesis of p-nitroacetophenone and
p-nitro-ɣ-bromacetophenone. Antibiotiki 4 no.4:21-24 Jl-Ag
'59.
                                                          (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze (for Mikhalev, Dorokhova, Smolina,
Zhelokhovtseva, Tikhonova). 2. Institut farmakologii i khimio-
terapii AMN SSSR (for Skoldinov, Arendaruk, Smolin, Golovkina,
Slonova).

                   (CHLORAMPHENICOL chem)
                   (KETONES chem)

ZHELOBOVA, Z.A.

Change in the subordinate influences on the motor chronaxia of the muscles in spastic hemiparesis and athetosis. Zhur.nerv.i psikh. 62 no.6:815-819 '62.   (MIRA 15:11)

1. Laboratoriya klinicheskoy fiziologii (rukovoditel' - dotsent N.G.Krol') Sverdlovskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk Z.P.Lubegina).
(CHRONAXIA)   (PARALYSIS)   (ATHETOSIS)   (MUSCLES)

MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSEVA, A.M.; IVANOV,
A.I.; ARENDARUK, A.P.; GALCHENKO, M.I.; SKORODUMOV, V.A.; SMOLIN, D.D.

Styrene as raw material for the production of synthomycin and levomy-
cetin. Part 1: Synthesis of p-nitro-α-acylaminoacetophenones. Anti-
biotiki, 4 no.2:21-24 Mr-Ap '59.   (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze (for Mikhalev, Dorokhova, Smolina,
Zhelokhovtseva). 2. Institut farmakologii i khimioterapii AMN SSSR
(for Skoldinov, Ivanov, Arendaruk, Galchenko, Skorodumov, Smolin).
          (CHLORAMPHENICOL, prep. of.
                synthesis from styrene through p-nitro-α-acylamino-
                acetophenones (Rus))
          (VINYL COMPOUNDS
                styrene, use in chloramphenicol synthesis through p-nitro-
                α-acylaminoacetophenones (Rus))
          (KETONES
                p-nitro-α-acylaminoacetophenones, intermediate in chlor-
                amphenicol synthesis from styrene (Rus))

ZHELOKHOVTSEV, A. N.

Sawflies

Survey of the palaearctic sawflies of the subfamily Selandriinae (Hym. Tenthr.) Sbor. trud. Zool. muz. 7, 1951

ZHELOKHOVTSEV, A.N.

New and little-known sawflies (Hymenoptera, Symphita) of the Tien
Shan. Sbor. trud. Zool. muz. MGU 8:117-138 '61.   (MIRA 15:5)
(Tien Shan--Sawflies)

Sawflies

Survey of sawflies of the subfamily Cladinae (Hymenoptera, Tenthredinidae) in the fauna of the U.S.S.R. Zool. zhur. 31 no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

ZHELOKHOVTSEV, A.N.

A new genus and species of sawflies(Hymenoptera, Tenthredinidae) in-
habiting the sandy deserts of Central Asia. Ent. oboz. 43 no.3:706-709
'64.   (MIRA 17:10)

1. Zoologicheskiy muzey Moskovskogo gosudarstvennogo universiteta,
Moskva.

PORTNOV, M.A.; ZHELOKHOVTSEVA, A.M.; MIKHALEV, V.A.

Physicochemical and automatic methods of techological control in
the production of medicinal preparations. Report No.2: Automatic
control of pH during the process of production of p- -acetylamino-
hydroxypropiophenone. Med.prom. 16 no.5:43-49 My '62.

(MIRA 15:9)
1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze.
    (PROPIOPHENONE)   (HYDROGEN ION CONCENTRATION) (DRUG INDUSTRY)

SMIRNOVA, L.G.; CHULKOVA, Z.S.; GUMINA, I.I.; ZHELOKHOVTSEVA, I.N.

The amino acid level in urine furing normal pregnancy and in
late toxicoses. [with summary in English] Vop. med. khim.
3 no.1:49-53 Ja-F '57   (MLRA 10:4)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii
Ministerstva zdravookhraneniya SSSR, Moskva.
        (PREGNANCY, urine in
            aminoacid level in normal pregn. & in late
            toxicosis)
        (AMINO ACIDS, in urine
            in normal pregn. & in late toxicosis)
        (PREGNANCY TOXEMIAS, urine in
            amino acid level)

BULYGINA, Ya.A., starshiy nauchnyy sotrudnik; GRANAT, N.Ye., kandidat
meditsinskikh nauk; ZHELOKHOVTSEVA, I.N., kandidat meditsinskikh
nauk

The role of a rural district hospital in the organization of
obstetric services. Sov.zdrav. 16 no.8:29-34 Ag '57. (MLRA 10:10)

1. Iz Nauchno-issledovatel'skogo instituta akusherstva i ginekologii
(dir. L.G.Stepanov) Ministerstva zdravookhraneniya RSFSR.
        (OBSTETRICS
            obstetric serv. at general district hosp. in Russia)
        (HOSPITALS,
            same)

MAKEYEVA, O.V., prof.; ZHELOKHOVTSEVA, I.N.; SELEZNEVA, Ye.D.

Improvement of prophylactic work at women's health centers. Sov.
med. 24 no. 7:134-137 Jl '60.   (MIRA 13:8)

1. Iz Instituta akusherstva i ginekologii (dir. - doktor meditsinskikh
nauk O.V. Makeyeva) Ministerstva zdravookhraneniya RSFSR.
                    (GYNECOLOGY)

GARIN, N.D., ZHELOKHOVTSEVA, N.N., LEBEDEVA, N.N., SIGBATULIN, A.Kh.

A quest for new surgical suture materials [with summary in English]
Khirurgiia 34 no.7:142-147 Jl '58   (MIRA 11:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy
khirurgicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya
SSSR (dir. M.G. Anan'yev).
          (SUTURES,
               research on new surg. suture materials (Rus))

ZHELOKHOVTSEVA N.N.

CA

Kinetics of adsorption of high-molecular substances from solution by porous powders. B. V. IL'IN AND N. N. Zhelokhovtseva. J. Gen. Chem. (U.S.S.R.) 2, 436-41 (1932). The kinetics of adsorption of Me violet from aq. solns. of 0.1, 0.08, 0.06 and 0.04% concn., on powd. blood charcoal, was studied. Charcoal powder heated in boiling water for 2 hrs. and left standing with the water for 2-4 weeks adsorbed more Me violet when the soln. of the latter was introduced into its suspension, than when the dry powder was introduced into the soln. In the formula $A = A_1(1 - e^{at})$, where A_1 and A are the initial concn. of Me violet and the concn. at time t, the mean values of the const. a are 0.0189, 0.0506 and 0.144 for concns. 0.1, 0.08 and 0.04, resp., in dry powder adsorption, and 0.0233, 0.0382, 0.0021 and 0.1101 for concns. 0.1, 0.08, 0.06 and 0.04 in wet-powder adsorption.

S. L. MADORSKY

METALLURGICAL LITERATURE CLASSIFICATION

ZHELOKHOVTSEVA, N. N.

PA 36/49T5

USSR/Agronomy
Soil Science
Chemistry – Humic Acids, Structure of

Jul 48

"Comparative Study of Humic Acids From Soil and Peat," S. B. Dreganov, N. N. Zhelokhovtseva, Yu. I. Strelkova, 12 pp

"Pochvovedeniye" No 7

Observed noticeable differences in humic acid obtained from peat, black earth, and podsol soil. Noticed difference in number and character of functional groups and in structure of their nu- clei. Data obtained from experiments permitted

36/49T5

USSR/Agronomy (Contd)

Jul 48

determination of structural formula for humic acids derived from black earths and peat. Authors consider formulas practical representation of theoretical hypotheses.

36/49T5

GARIN, N.D.; GOL'DINA, B.G.; ZHELOKHOVTSEVA, N.N.; SIBGATULLIN, A.Kh.

Use of capron mesh for correcting soft tissue defects. Eksper.
khir. 5 no.4:9-13 Je-Ag '60.   (MIRA 13:12)
        (NYLON)   (ABDOMEN—SURGERY)
            (DIAPHRAGM—SURGERY)
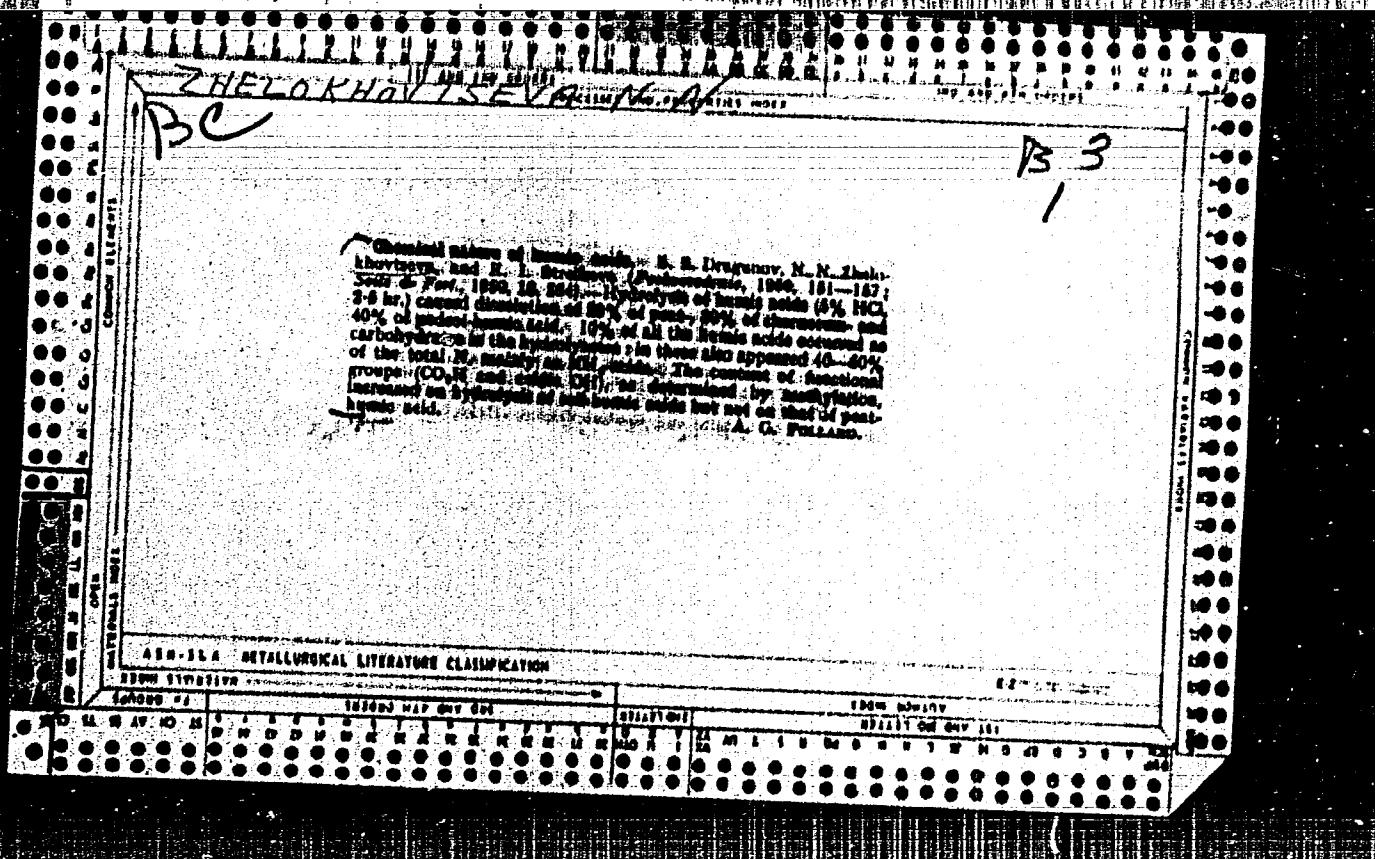
ZHELOKHOVTSEVA

ZHELOKHOVTSEVA, N. N.

Dissertation: "Plethysmography as An Objective Method of Recording Labor Pains
of Women." Cand Med Sci, First Moscow Order of Lenin Inst, 27 Sep 54. (Vecher-
nyaya Moskva, Moscow, 5 Aug 54)

SO: SUM 393, 28 Feb 1955